Product Information

Amphony®

5.8 GHz DIGITAL Wireless Audio Transmitter / Amplifier

CD Quality

Model 1550

Welcome to the World of
Wireless Digital Audio

Tired of wiring your speakers ? Don't like the look of long speaker cables of your home theater system ? Are you afraid of going wireless because of the low audio quality of 900 MHz analog wireless systems or possible interference from other wireless devices ? Then check out the next generation of 5.8 GHz Digital Audio Transmitter / Amplifier products from Amphony.

By transmitting the audio in a **digital format** at 5.8 GHz, the Digital Wireless Audio Transmitter / Amplifier from Amphony allows you to eliminate the hassle of wires and is fully immune to interference from 2.4 GHz wireless devices.

Most importantly, since the 5.8 GHz Digital Wireless Audio Transmitter from Amphony transmits a **data rate of over 3 Mbps** (3 million bits per second) and since **no audio compression** is applied, you will experience **true CD quality** without audio degradation which you are used to from MP3 as well as other audio compression schemes.

Further, an **error correction mechanism** is employed which is capable of correcting transmission errors to guarantee superior error-free reception even under difficult conditions.

To minimize heat and size, the Model 1550 includes two mono **digital class-T amplifiers** that provide the power efficiency of traditional class-D digital amplifiers at a far **lower audio distortion**. Each wireless amplifier only measures 5 x 3.5 x 2 inches and is easily mountable to a speaker.

The **noise shaping filter** which is part of the wireless amplifier from Amphony achieves a higher signal-to-noise ratio compared to conventional digital-to-analog converters by eliminating quantization noise from the audible frequency band.

5.8 GHz DIGITAL Wireless Audio Transmitter / Amplifier, Model 1550

Technical specifications

Transmitter:

Audio transmission method: Digital (Audio is transmitted as PCM sample data)

Transmitter frequency: 5.8 GHz

Signal-to-Noise ratio (A-weighted): typ. 93 dB

Dynamic range: typ. 93 dB

Error correction: 1/2 rate FEC

Audio sampling method: 64 times oversampling

Transmitted data rate: > 3 Mbps

Overall audio latency: < 1 ms

Transmitter operating range: max. 200 ft. line of sight, max. 50 ft. through walls and ceilings

Amplifiers:

Content: Each set contains two mono class-T amplifiers

Output power: 2 * 50 W (2 * 30 W rms)

Total harmonic distortion: typ. 0.02 % @ 25 W

Power efficiency: typ. 75 % @ 25 W

Frequency response: 5 Hz - 23 kHz

Channel separation: typ. 94 dB

Dimensions: 5 x 3.5 x 2 inches

Main features

Digital audio transmission at full CD quality

Error correction

Noise shaping filter for maximum signal-to-noise ratio

No audio compression

For more information, visit the Amphony web site at:
http://www.amphony.com

Amphony®

Your Amphony dealer:

Amphony Corp., 1006 S. Raven Rd., Shorewood, IL 60431

The information contained herein is provided "as is" and is subject to change without notice.